

Patent Abstracts of Japan

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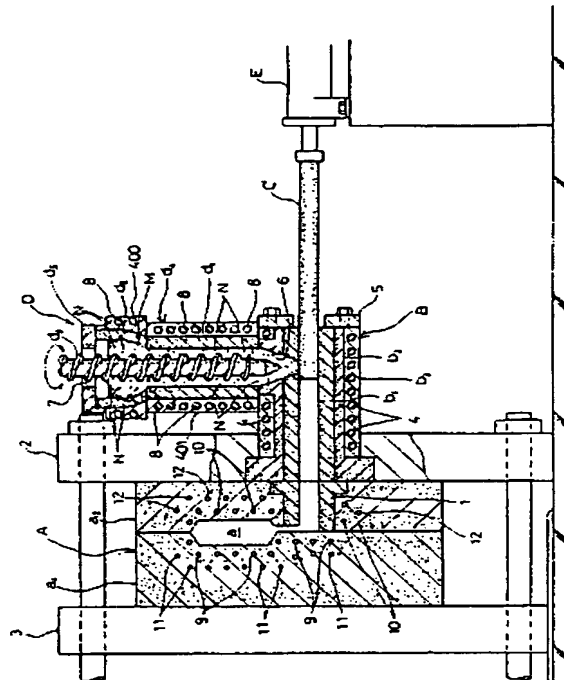
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TITLE : CASTING DEVICE FOR COMPOSITE
METAL PRODUCT



ABSTRACT : PURPOSE: To obtain a composite alloy product of excellent quality by mixing a mixture with stirring it uniformly into a liquidized base alloy and after making it in a sherbet state with its temp. control solidifying with its cooling by filling it by pressurizing into a ceramic made forming die.

CONSTITUTION: The base alloy M melted in a liquid state is fed into the storing container d₂ of the agitating device erected on the upper wall of a ceramic made sleeve B. In succession, a mixture N is input, a screw d₃ is rotated and the mixture N is uniformly mixed by its stirring into the liquid like alloy M. The mixture is subjected to temp. controlling by a temp. control body d₄, made in a sherbet state at the entrance of the sleeve B, flowed into the sleeve B and solidified by its cooling by filling it by pressurizing into a ceramic made forming die A. The product of excellent quality uniformly dispersing the mixture is thus obtd.

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